CLAIMS

What is claimed is:

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CLAIMS FOR CON OF 2269-3846US

- A method for fabricating a chip-scale package, comprising:
 positioning a preformed polymeric film over a semiconductor device with at least one aperture that extends substantially longitudinally through said preformed polymeric film aligned with a corresponding bond pad of said semiconductor device; and introducing conductive material into said at least one aperture.
- 2. The method of claim 1, further comprising adhering said preformed polymeric film to said semiconductor device.
- 3. The method of claim 1, further comprising defining said at least one aperture through said preformed polymeric film.
 - 4. The method of claim 3, wherein said defining is effected after said positioning.
 - 5. The method-of claim 7, wherein said-defining is effected before said-positioning.
- 6. The method of claim 1, wherein said introducing comprises bonding said conductive material to said corresponding bond pad.
- 7. The method of claim 1, wherein said introducing comprises depositing said conductive material onto said preformed polymeric film and within said at least one aperture.
- 8. The method of claim 7, wherein said depositing comprises chemical vapor depositing or physical vapor depositing said conductive material.

- 9. The method of claim 1, wherein said introducing comprises placing a preformed conductive structure within said at least one aperture.
 - 10. The method of claim 1, wherein said introducing is effected before said positioning.
 - 11. The method of claim 1, wherein said introducing is effected after said positioning.
- 12. The method of claim 1, further comprising forming at least one contact at an end of said conductive material, opposite said semiconductor device.
- 13. The method of claim 12, further comprising placing a conductive structure adjacent said at least one contact.
- 14. The method of claim 13, wherein said placing comprises applying solder to said at least one contact.
- 15. The method of claim 1, further comprising positioning at least one conductive trace on said preformed polymeric film and in communication with said conductive material.
- 16. The method of claim 15, further comprising forming at least one contact in communication with said conductive trace.
- 17. The method of claim 16, further comprising placing a conductive structure adjacent said at least one contact.
- 18. The method of claim 17, wherein said placing comprises applying solder to said at least one contact.

- 19. The method of claim 1, further comprising placing said preformed polymeric film on at least a portion of a peripheral edge of said semiconductor device.
- Sub A3 20. The method of claim 17, further comprising placing polymeric material at least laterally adjacent said at least one-conductive structure.
 - 21. The method of claim 17, further comprising placing a conductive elastomer over at least one conductive structure.
- 22. The method of claim 21, further comprising placing conductive structure in contact with said conductive elastomer, opposite said at least one conductive structure.
 - 23. A method for fabricating a chip-scale package, comprising:

 placing photoimageable polymeric material on a surface of a semiconductor device;

 forming a polymeric film from said photoimageable polymeric material with at least one aperture extending substantially longitudinally through said polymeric film, said at least one aperture aligned with a corresponding bond pad of said semiconductor device; and introducing conductive material into said at least one aperture.
 - 24. The method of claim 23, wherein said forming comprises selectively exposing regions of said photoimageable polymeric material to electromagnetic radiation.
 - 25. The method of claim 23, further comprising defining said at least one aperture through said polymeric film.
 - 26. The method of claim 25, wherein said defining is effected after said forming.
 - 27. The method of claim 25, wherein said defining is effected substantially simultaneously with said forming.

- 28. The method of claim 23, further comprising placing at least one conductive trace on said polymeric film and in communication with said conductive material.
- 29. The method of claim 28, further comprising placing at least one contact in communication with said at least one conductive trace.
- 30. The method of claim 29, further comprising placing at least one conductive structure adjacent said at least one contact.
- 31. The method of claim 30, further comprising placing polymeric material at least laterally adjacent said at least one conductive structure.
- 32. The method of claim 30, further comprising placing a conductive elastomer over said at least one conductive structure.
- 33. The method of claim 32, further comprising placing at least one other conductive structure in contact with said conductive elastomer, opposite said at least one conductive structure.
- 34. The method of claim 23, wherein said forming comprises forming said polymeric film so as to extend at least partially over a peripheral edge of said semiconductor device.